

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(10/583420).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/28 17:09
S2	5981	(Select near1 region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:44
S3	0	(extract with stratified with region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:45
S4	1	(extract with stratified with region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:45
S5	262	(extract with (stratified or layer) with region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:46
S6	7	S2 and S5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:46
S7	34342	(Select with region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:46
S8	13	S7 and S5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:46
S10	23	(contour) and S5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:47
S11	21	(tomographic) with (contour) with (region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:48
S12	0	S1 and (layer)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:48
S13	9573	(pattern with extraction)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:49
S14	32	S13 and tomographic	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:49
S15	18	S14 and (stratif\$6 or layer \$3)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:49

S16	113419	segment\$8 and (x-ray or CT or MRI or tomographic)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:51
S17	18256	S16 and (ellip\$6 or graphic)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 17:58
S18	146	estimation with ellipse\$4	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:03
S21	98	S18 and segment\$7	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:03
S22	15	S21 and S16	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:04
S23	7	(region with approx\$6 with overlap\$5 with ellipse\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:10
S24	8	("5883673"   "5966469"   "5982909"   "5986675"   "6373492"   "6414685"). PN. OR ("6968004"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/28 18:14
S25	37	(segment\$6 with overlap\$5 with ellipse\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:14
S26	70758	("382").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/28 18:15
S27	5	S26 and S25	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:16
S28	225	segment\$6 and (overlap\$5 with ellipse\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:18
S29	41	S28 and S26	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:18
S30	36	S29 not S27	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:18
S31	16	("20020150280"   "4805127"   "5107838"   "5291560"   "5318026"   "6038466"   "6154560"   "6442287").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/01/28 18:34
S32	299	(tomographic) and (segment\$5 or extract\$5) with contour)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 11:02
S33	22	S32 and (approximat\$6) with (graphic or ellipse\$4 or circle\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 11:03

S34	1	S32 and (approximat\$6) with overlap\$6 with (graphic or ellipse\$4 or circle\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 11:03
S35	0	(ellipse\$4 or ellicptical) with (region with growing)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 11:07
S36	2	("0480517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 12:02
S37	0	61-208180	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:03
S38	1	("6480517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 12:06
S39	219	(centerline with extraction)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:36
S40	1	S32 and S39	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:36
S41	17	(tomographic) and S39	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:41
S42	0	S39 and S35	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:43
S43	18	S39 and (ellipse\$4 or ellicptical)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:43
S44	0	S39 and (overlap with (ellipse\$4 or ellicptical))	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:44
S45	0	S39 and (overlap\$5 with (ellipse\$4 or ellicptical))	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:44
S46	118600	(centerline)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:46
S47	34	S46 and (overlap\$5 with (ellipse\$4 or ellicptical))	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:47
S48	51	(overlap\$5 with partial with contour)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:47
S49	63092	segment\$5 with imag\$5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:48
S50	49	S49 and S39	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:48

S51	7	S49 and S48	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/22 12:48
S52	422	(ellipse\$4 or ellipsoid\$4 or circle\$4) with (merg\$6 or combin\$6) and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:29
S53	23	S52 and tomographic	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:29
S54	36	(ellipse\$4 or ellipsoid\$4 or circle\$4) with (merg \$6) and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:30
S55	6	S54 and tomographic	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:31
S56	30	(ellipse\$4 or ellipsoid\$4) with (merg\$6 or overlaid or overlaying or overlapped) and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:33
S57	57	(ellipse\$4 or ellipsoid\$4) with (merg\$6 or overlaid or overlaying or overlap \$6) and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:33
S58	4	S57 and tomographic	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:33
S59	53	S57 not S58	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:35
S60	51	S59 and imag\$4	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:35
S61	5	(ellipse\$4 or ellipsoid\$4) with (merg\$6 or overlaid or overlaying or overlap \$6) with shape and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:37
S62	0	tomographic and (patterned with graphic) with (approximat\$6) and segmentation	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/16 18:40
S63	2	2000-210284	JPO; DERWENT	OR	OFF	2010/03/17 11:19
S64	2	"2000210284"	JPO; DERWENT	OR	OFF	2010/03/17 11:19
S65	2	2003-503136	JPO; DERWENT	OR	OFF	2010/03/17 11:20
S66	1	"2003503136"	JPO; DERWENT	OR	OFF	2010/03/17 11:21

S67	0	61-208180	JPO; DERWENT	OR	OFF	2010/03/17 11:23
S68	1	"61208180"	JPO; DERWENT	OR	OFF	2010/03/17 11:23
S69	1	"61208180"	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/17 11:24
S70	1	("4806517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 11:26
S71	1	("4860517").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 11:26
S72	29302	HATA	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/17 11:26
S73	4027	S72 and region	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/17 11:26
S74	86	S73 and tosh\$6	JPO; DERWENT	OR	OFF	2010/03/17 11:27
S75	8	S74 and MITSUBISHI	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2010/03/17 11:27
S76	0	S74 and MITSUBISHI	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:28
S77	8265	HATA	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:28
S78	3250	S77 and region	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:28
S79	134	S78 and approximation	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:28
S80	63	((YOSHIHIRO) near2 (GOTO)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:39
S81	25	(tomographic) and S80	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 11:40
S82	17	(tomographic) and (partial with contour)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 11:40
S83	5	(tomographic) and (partial with contour) and (segmentation)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 11:41
S84	5	(tomographic) and (partial with contour) and (segment\$5 and extract \$5)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 11:42
S85	3	S84 not S83	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 11:42

S86	196	((HATA) near2 (TOSH\$7)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:43
S87	6	((HATA) near2 (TOSHIHIKO)).INV.	US-PGPUB; USPAT	OR	OFF	2010/03/17 11:44
S88	15	("4561061"   "4601002"   "4607340"   "4620287").PN. OR ("4805127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 11:46
S89	212	(approx\$6 region\$1 ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 11:48
S90	10	(approx\$6 region\$1 plurality ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:14
S91	4	(approx\$6 region\$1 multiple ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:16
S92	8	(approx\$6 region\$1 overlap\$6 ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:17
S93	0	(approx\$6 region\$1 overlay\$6 ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:17
S94	0	(approx\$6 region\$1 (partial near1 contour) ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:18
S95	1	(approx\$6 (partial near1 contour) ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:18
S96	4	((partial near1 contour) ellip\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/03/17 12:18
S97	4	((partial near1 contour) ellip\$6)	US-PGPUB; USPAT; USOCR	SAME	OFF	2010/03/17 12:18
S98	49	(approx\$6 region\$1 overlap\$6 ellip\$6)	US-PGPUB; USPAT; USOCR	SAME	OFF	2010/03/17 12:19
S99	1	("20030053539").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 13:09
S100	351	imag\$4 with vectorization	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 13:35
S101	25	S100 and ellips\$5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 13:35
S102	285	(curve with fit\$6) same ellips\$5	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 13:40
S103	200	S102 and imag\$4	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 13:41
S104	44	S103 and ((boundary or region) with (extract\$6 or segment\$6))	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 13:41
S105	1	("4805127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 14:59

S106	1	S105 and (overlap\$5)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 14:59
S107	1	S105 and (combin\$6)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:00
S108	1	S105 and (select\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:09
S109	0	S105 and (desir\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:14
S110	0	S105 and (region )	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:14
S111	0	S105 and (region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:14
S112	0	S105 and (size)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:19
S113	1	S105 and (shape)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:19
S114	8	"6038446"	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:58
S115	1	("6038446").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/17 15:58
S116	2162	Haselhoff	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:59
S117	1	Haselhoff and second near1 estimate	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 15:59
S118	5	(combin\$6 same primitive \$ same approx\$6 same region)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/03/17 16:11
S119	966	(closed with polygonal with shape)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:09
S120	425	(heart with segmentation)	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:09
S121	0	S119 and S120	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:09
S122	3044	(closed with polygonal )	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:09

S123	6	S120 and S122	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:09
S124	12	("5050226"   "5540229"   "6295464"   "6556695"   "6714901"   "6757423"). PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:16
S125	14	("20020072670"   "20050111717"   "5431161"   "5687737"   "5722405"   "5803914"   "7155042").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/09/02 19:19
S126	8	("5050226"   "5540229"   "6295464"   "6556695"   "6714901"   "6757423"). PN. OR ("7043062"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:19
S127	7	("20020072670"   "20050111717"   "5431161"   "5687737"   "5722405"   "5803914"   "7155042").PN. OR ("7526113").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:19
S128	39	(heart with wall with segmentation)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:31
S129	33	S128 and (contour\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:32
S130	0	S128 and (enlarg\$5 with contour\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:32
S131	0	S128 and (enlarg\$5 same contour\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:32
S132	39	S128 and (between contour\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:32
S133	11	S128 and (between with contour\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:32
S134	73	systolic with contour	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:35
S135	97	diastolic with contour	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:36
S136	56	S134 and S135	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:36
S137	3	S136 and segmentation	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:36
S138	3	("5768413"   "6058218"   "6563941").PN. OR ("7339585").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:40
S139	41	(vessel with wall with segmentation)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:47
S140	0	S139 and S129	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:47



S141	21	S139 and contour\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:47
S142	23567	stratified stratifying stratifies	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:51
S143	394	S142 with (regions)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:52
S144	0	S143 and (wall with segmentation)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:52
S145	0	S143 and (segmentation)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:52
S146	83	S143 and (segment\$6)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:52
S147	6	S143 and (wall with segment\$6)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:52
S148	0	S143 and (heart with segment\$6)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:53
S149	4998	(heart with segment\$6)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:53
S150	84	S142 and S149	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:53
S151	10	S150 and (contour\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 19:54
S152	396	region between first contour second	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:55
S153	6	S150 and Segmentation	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:55
S154	2	S150 and (region with extract\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:55
S155	21	S152 and Segmentation	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:56
S156	22	S152 and (region with extract\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:56
S157	35	S156 or S155	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:56
S158	13	region between reduced first contour second	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:58
S159	2	S158 and Segmentation	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:59
S160	3	S158 and (region with extract\$6)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:59
S161	3	S159 or S160	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 19:59
S162	4	S157 and ((vessel or heart) with wall)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:02
S163	4197	(enlarging or expanding or reducing or shrinking) with (contour)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:04

S164	194	(enlarging or expanding or reducing or shrinking) with (contour) with (first) with (Second)	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:04
S165	17	((region with extraction) or (segmentation)) and S164	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:05
S166	25	("5107838"   "5360006"   "5457754"   "5465721"   "5469950"   "5492125"   "5588435"   "5605155"   "5655535").PN. OR ("5795296").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/02 20:10
S167	41	vessel wall segmentation	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:26
S168	1	("4805127").PN.	US-PGPUB; USPAT; USOCR	WITH	OFF	2010/09/02 20:39

### EAST Search History (Interference)

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**9/ 8/ 2010 6:38:55 PM**

**C:\ Documents and Settings\ jheidemann\ My Documents\ CASES\ Amended\ Sent  
 \ 10583420\_ REGION EXTRACTION METHOD AND DEVICE\ East\ 10583420\_ REGION EXTRACTION  
 METHOD AND DEVICE.wsp**